

Listing of Claims:

1-20 (previously cancelled)

21. (currently amended) An intermediate node in a multihop pseudo-wire comprising:

a forwarder ~~for configured to~~:

~~terminating terminate~~ a first pseudo-wire segment of said multihop pseudo-wire, where a description of said first pseudo-wire segment includes[[],]:

as a target, an attachment individual identifier associated with said forwarder; and

an attachment group identifier, said attachment group identifier specifying a group in which a set of forwarders are members, said set of forwarders including said forwarder; and

~~originating originate~~ a second pseudo-wire segment of said multihop pseudo-wire, where a description of said second pseudo-wire segment includes[[],]:

as a source, said attachment individual identifier associated with said forwarder; and

said attachment group identifier.

22. (currently amended) An intermediate node in a multihop pseudo-wire comprising:

a first forwarder ~~for terminating configured to terminate~~ a first pseudo-wire segment of said multihop pseudo-wire, where a description of said first pseudo-wire segment includes[[],]:

as a target, an attachment individual identifier associated with said first forwarder; and

an attachment group identifier, said attachment group identifier specifying a group in which a set of forwarders are members, said set of forwarders including said forwarder; and

a second forwarder ~~for originating~~ configured to originate a second pseudo-wire segment of said multihop pseudo-wire, where a description of said second pseudo-wire segment includes[[],]

as a source, an attachment individual identifier associated with said second forwarder; and

said attachment group identifier.

23. (new) At an intermediate node in a multihop pseudo-wire, said intermediate node including a forwarder, a method comprising:

terminating a first pseudo-wire segment of said multihop pseudo-wire, where a description of said first pseudo-wire segment includes:

as a target, an attachment individual identifier associated with said forwarder; and

an attachment group identifier, said attachment group identifier specifying a group in which a set of forwarders are members, said set of forwarders including said forwarder; and

originating a second pseudo-wire segment of said multihop pseudo-wire, where a description of said second pseudo-wire segment includes:

as a source, said attachment individual identifier associated with said forwarder; and

said attachment group identifier.

24. (new) At an intermediate node in a multihop pseudo-wire, said intermediate node including a first forwarder and a second forwarder, a method comprising:

at said first forwarder, terminating a first pseudo-wire segment of said multihop pseudo-wire, where a description of said first pseudo-wire segment includes:

as a target, an attachment individual identifier associated with said first forwarder; and

an attachment group identifier, said attachment group identifier specifying a group in which a set of forwarders are members, said set of forwarders including said first forwarder and said second forwarder; and

at said second forwarder, originating a second pseudo-wire segment of said multihop pseudo-wire, where a description of said second pseudo-wire segment includes:

as a source, an attachment individual identifier associated with said second forwarder; and

said attachment group identifier.